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REPORT

on

STATIC INVERTERS AND CONVERTERS  
FOR USE IN INDEPENDENT POWER SYSTEMS

Plug Power Inc.  
Latham, NY

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## APPENDIX A

## INSTRUCTIONS FOR TESTS AND/OR INSPECTION AT THE FACTORY

During the regular visits to the factory:

- A. Verify that the manufacturer has the required test equipment as indicated on Pages 2 and 3.
- B. Verify that the equipment is functioning properly and all the instruments have been calibrated at least once annually.
- C. Observe that the manufacturer is performing the Dielectric Withstand Test, the Utility Fluctuation Verification Test, and the Grounding Continuity Test on 100 percent (except as noted on Page 5) of production of each unit.
- D. Review the manufacturer's records to assure that the tests are being conducted and appropriate action is taken with respect to failures and rejections.

## RESPONSIBILITY OF THE MANUFACTURER

1. One hundred percent of production of each isolated power systems equipment covered by this Procedure shall be subjected to the Dielectric Withstand Test.
2. The Grounding Continuity Test shall be conducted on 100 percent of production of each cord-connected isolated power systems equipment having a grounding conductor.
3. The Utility Fluctuation Verification Test shall be conducted on 100 percent of the utility interactive products.
4. During the period of production, test equipment shall be checked for proper operation at least once daily.
5. The instruments used for the required tests shall be calibrated at regular intervals (at least once annually). Calibration shall be done by an outside laboratory to an NIST traceable standard. Certification of this calibration shall be maintained by the manufacturer.
6. The manufacturer shall maintain instrument calibration records, and records of test performance. These test performance records shall include, but are not limited to: date(s) of production, results of tests; (even through no failures occurred) number of units rejected; and corrective action taken. All records shall be readily available to UL personnel.